

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P957284

Luminaire Tested: **GALN-SB9C-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9C-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51797 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

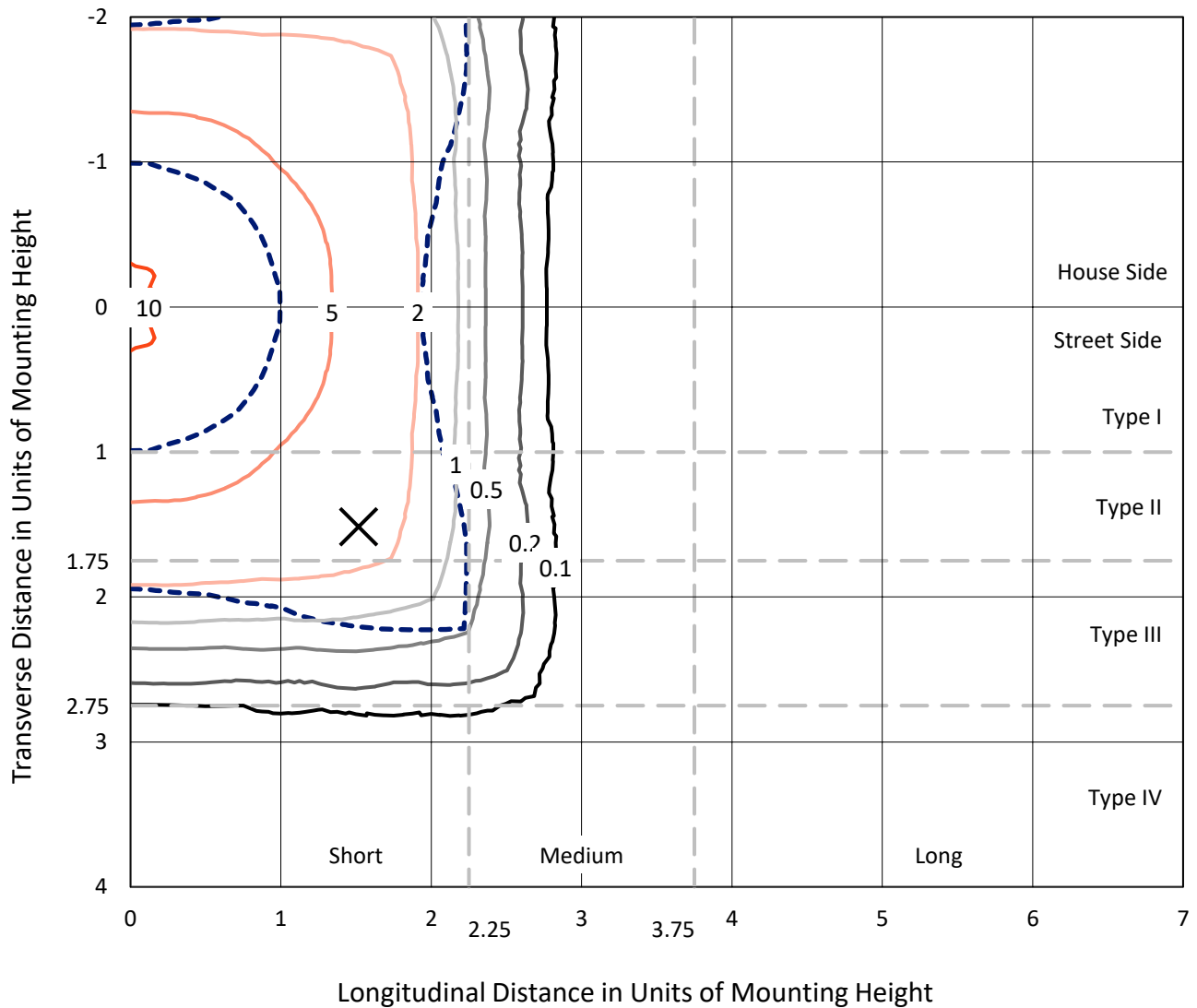
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

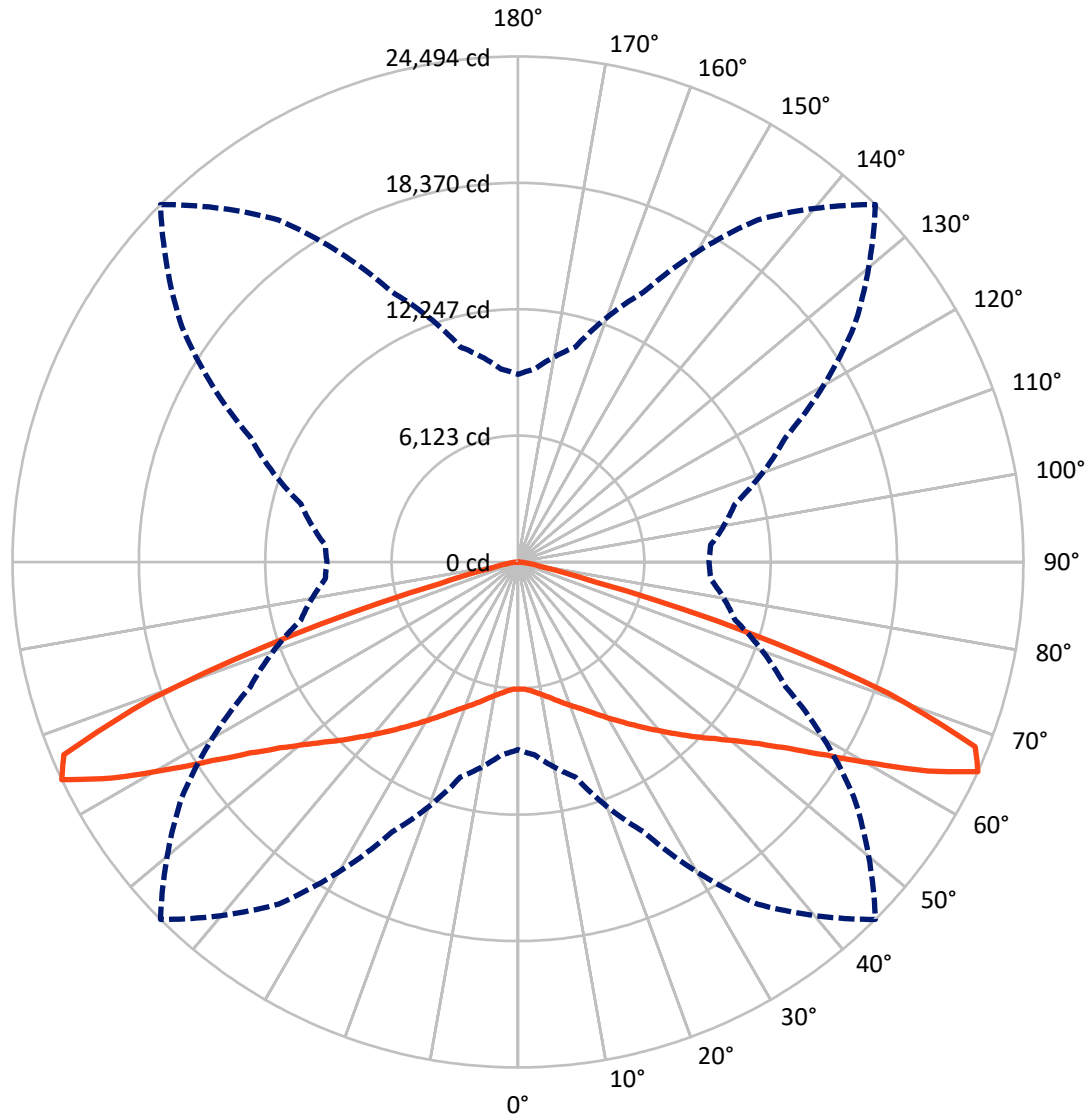
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25898.5	0.0	25898.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25898.5	0.0	25898.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51797.0	0.0	51797.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.4	1.2
10°-20°	1985.1	3.8
20°-30°	3748.2	7.2
30°-40°	6137.5	11.8
40°-50°	9516.2	18.4
50°-60°	14057.5	27.1
60°-70°	13381.4	25.8
70°-80°	2159.3	4.2
80°-90°	203.5	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	51797.0	100.0
0°-180°	51797.0	100.0

Coefficient of Utilization



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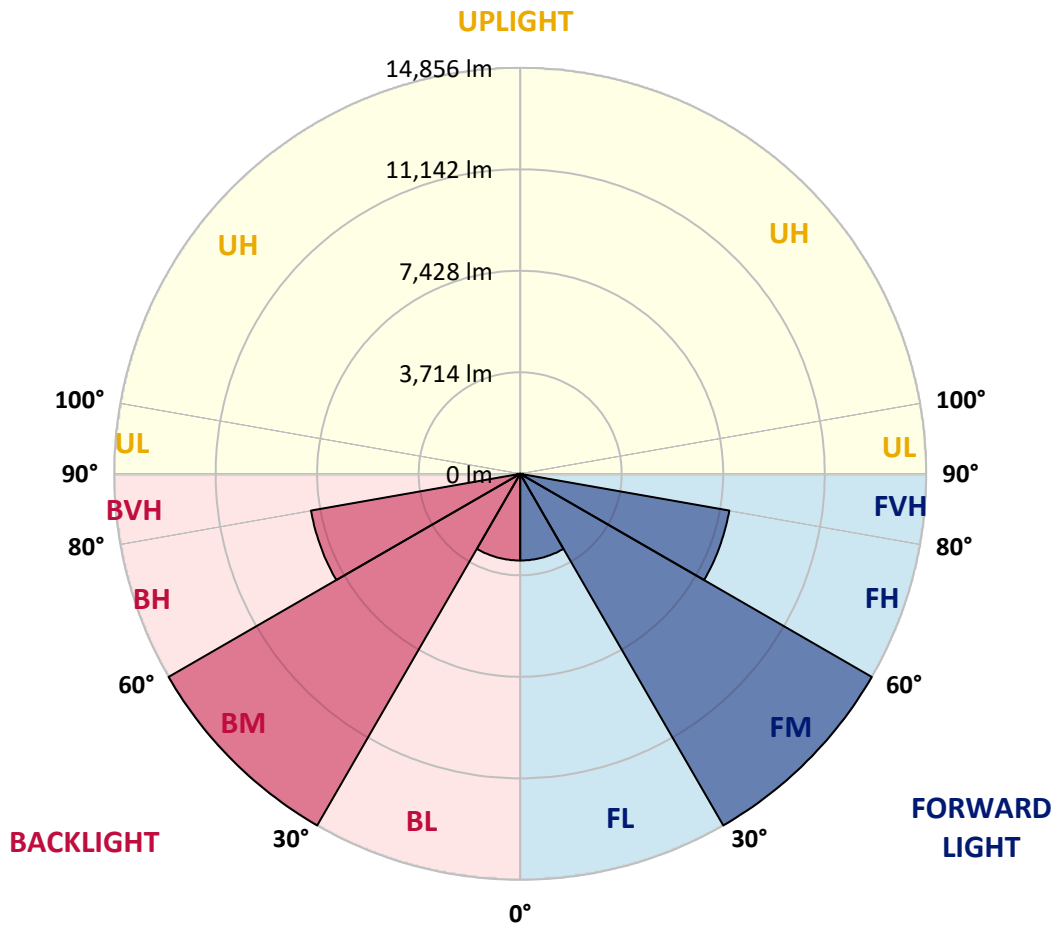
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3170.8	6.1			
FM (30°-60°)	14855.6	28.7			
FH (60°-80°)	7770.3	15.0			G4/12000
FVH (80°-90°)	101.8	0.2			G2/225
BL (0°-30°)	3170.8	6.1	B4/5000		
BM (30°-60°)	14855.6	28.7	B5		
BH (60°-80°)	7770.3	15.0	B5		G4/12000
BVH (80°-90°)	101.8	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6164.4	6164.4	6164.4	6164.4	6164.4	6164.4	6164.4	6164.4	6164.4	6164.4
2.5°	6205.9	6185.2	6200.7	6187.8	6177.4	6167.0	6172.2	6190.3	6198.1	6200.7
5°	6289.1	6270.9	6278.7	6278.7	6260.5	6255.3	6257.9	6270.9	6286.5	6286.5
7.5°	6424.2	6406.0	6424.2	6413.8	6398.3	6393.1	6390.5	6400.9	6424.2	6424.2
10°	6588.0	6567.2	6577.6	6572.4	6554.2	6546.4	6543.8	6559.4	6580.2	6577.6
12.5°	6767.3	6743.9	6756.9	6741.3	6736.1	6728.3	6728.3	6725.7	6738.7	6728.3
15°	6967.4	6951.8	6957.0	6946.6	6954.4	6949.2	6928.4	6918.0	6923.2	6907.6
17.5°	7203.9	7167.5	7185.7	7180.5	7180.5	7190.9	7157.1	7144.1	7154.5	7138.9
20°	7476.8	7440.4	7448.2	7437.8	7424.8	7435.2	7393.6	7404.0	7411.8	7401.4
22.5°	7775.6	7728.8	7726.2	7731.4	7702.9	7705.5	7676.9	7702.9	7718.4	7689.9
25°	8082.3	8032.9	8066.7	8053.7	8017.3	8025.1	8004.3	8030.3	8043.3	8006.9
27.5°	8407.1	8373.3	8404.5	8412.3	8368.1	8399.3	8368.1	8391.5	8404.5	8350.0
30°	8786.6	8752.8	8781.4	8802.1	8750.2	8799.5	8773.6	8789.2	8791.8	8726.8
32.5°	9199.8	9147.8	9220.6	9230.9	9173.8	9233.5	9199.8	9220.6	9233.5	9145.2
35°	9703.9	9639.0	9722.1	9709.1	9659.8	9709.1	9677.9	9709.1	9740.3	9633.8
37.5°	10247.1	10179.5	10267.9	10244.5	10197.7	10231.5	10213.3	10234.1	10283.5	10169.1
40°	10844.8	10761.6	10881.2	10839.6	10795.4	10790.2	10800.6	10813.6	10878.6	10751.2
42.5°	11484.1	11395.8	11575.1	11510.1	11447.7	11406.1	11439.9	11465.9	11528.3	11385.4
45°	12214.4	12113.0	12346.9	12268.9	12170.2	12084.4	12139.0	12178.0	12268.9	12097.4
47.5°	13020.0	12905.7	13155.1	13131.8	12970.6	12783.5	12908.3	13020.0	13087.6	12879.7
50°	13807.4	13719.1	14046.5	14075.1	13877.6	13615.1	13789.2	13958.2	13976.4	13703.5
52.5°	14545.5	14457.1	14932.7	15112.0	14935.3	14623.5	14808.0	14979.5	14841.8	14488.3
55°	15135.4	15062.7	15668.2	16130.8	16190.5	15933.3	16042.4	16037.2	15585.0	15041.9
57.5°	15278.4	15268.0	16032.0	17011.8	17635.5	17666.7	17451.0	16900.0	15925.5	15195.2
60°	14628.7	14693.6	15743.5	17471.8	19135.0	19826.3	18893.3	17321.0	15538.2	14524.7
62.5°	12684.8	12856.3	14121.9	16910.4	20346.0	22310.7	20049.8	16681.7	13947.8	12625.0
65°	9090.6	9389.5	10787.6	14431.2	20236.9	24493.7	19883.4	14314.2	10891.6	9366.1
67.5°	4124.3	4428.4	5616.0	9880.6	17591.3	23901.2	17549.7	9984.6	5896.7	4444.0
70°	1494.3	1546.3	1928.3	3955.4	11242.4	19044.0	11723.2	3984.0	2050.5	1647.6
72.5°	904.4	912.2	992.7	1416.3	3906.0	11562.1	4072.3	1463.1	1013.5	899.2
75°	574.3	569.1	706.9	865.4	1385.2	3900.8	1452.7	865.4	704.3	641.9
77.5°	413.2	426.2	506.8	647.1	873.2	1322.8	857.6	618.5	506.8	415.8
80°	309.3	317.1	369.0	504.2	613.3	823.8	545.7	457.4	382.0	259.9
82.5°	223.5	223.5	241.7	366.4	374.2	444.4	296.3	322.3	252.1	184.5
85°	132.5	129.9	150.7	218.3	194.9	163.7	135.1	197.5	158.5	114.3
87.5°	46.8	49.4	46.8	62.4	52.0	44.2	41.6	54.6	44.2	39.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6164.4
6200.7
6286.5
6416.4
6572.4
6733.5
6910.2
7151.9
7424.8
7718.4
8048.5
8391.5
8765.8
9205.0
9698.7
10239.3
10792.8
11460.7
12185.8
12949.8
13737.3
14498.7
15060.1
15148.4
14405.2
12547.0
9254.3
4379.0
1626.9
914.8
647.1
423.6
267.7
184.5
111.7
36.4
0.0

OF REPORT)